

Global Gallium Arsenide Market Professional Survey Report 2016

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Abstracts

Gallium arsenide (GaAs) is a compound of the elements gallium and arsenic. It is a III-V direct bandgap semiconductor with a zinc blende crystal structure. Gallium arsenide is used in the manufacture of devices such as microwave frequency integrated circuits, monolithic microwave integrated circuits, infrared light-emitting diodes, laser diodes, solar cells and optical windows.

For industry structure analysis, the GaAs industry is highly concentrated. A variety of manufacturers ranging from large multinational corporations to small privately owned companies compete in this industry, but the top six producers account for more than 70% of the market. Regionally, Europe is the biggest production and consumption area of GaAs, also the leader in the whole industry. China and USA also produce large amount of GaAs per year.

Regionally, GaAs suppliers are concentrated in Europe, USA, China, Japan and Taiwan. Leading suppliers in this industry are Freiberger Compound Materials, AXT, Sumitomo Electric, China Crystal Technologies, Visual Photonics Epitaxy, Shenzhou Crystal Technology.

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